

INTERNATIONAL SEARCH REPORT

GB2004/002625

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B6/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2001/026667 A1 (OKAMOTO KATSUNARI ET AL) 4 October 2001 (2001-10-04) cited in the application paragraph '0022!; figures 7,12 paragraph '0056! – paragraph '0059! paragraph '0071! – paragraph '0076!	1-17, 19-24, 27,29-31
Y	SAITO K ET AL: "Highly birefringent photonic bandgap fibers and its dispersion properties" INTERNATIONAL TOPIC MEETING ON MICROWAVE PHOTONICS, 5 November 2002 (2002-11-05), pages 329-332, XP010623188 the whole document	18,25, 26,28, 32-34
	----- -/-	18,25, 26,28

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

3 August 2004

17/09/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel: (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bourhis, J-F

INTERNATIONAL SEARCH REPORT

GB2004/002625

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	ORTIGOSA-BLANCH A ET AL: "HIGHLY BIREFRINGENT PHOTONIC CRYSTAL FIBERS" OPTICS AND PHOTONICS, OSA, WASHINGTON, DC, US, vol. 12, no. 12, December 2001 (2001-12), page 17, XP008000342 ISSN: 1047-6938 the whole document	32, 34
Y	KURMU V V R K ET AL OPTICAL SOCIETY OF AMERICA / INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "Modified group-velocity dispersion in extruded photonic crystal fiber" OPTICAL FIBER COMMUNICATION CONFERENCE. (OFC). POSTCONFERENCE DIGEST. ATLANTA, GA, MARCH 23 - 28, 2003, TRENDS IN OPTICS AND PHOTONICS SERIES. (TOPS), WASHINGTON, DC : OSA, US, vol. TOPS. VOL. 86, 23 March 2003 (2003-03-23), pages 300-301, XP010680120 ISBN: 1-55752-746-6 the whole document	33
X	WO 00/49435 A (UNIV BATH ; BIRKS TIMOTHY ADAM (GB); KNIGHT JONATHAN CAVE (GB); RUSSEL) 24 August 2000 (2000-08-24) page 9, line 1 - line 9 page 11, line 13 - line 20; figure 4 page 13, line 31 - page 14, line 4	1-15, 19-21, 29-31
A	KNIGHT J C ET AL: "PHOTONIC BAND GAP GUIDANCE IN OPTICAL FIBERS" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,, US, vol. 282, no. 5393, 20 November 1998 (1998-11-20), pages 1476-1478, XP001009986 ISSN: 0036-8075 page 1478	1-34

INTERNATIONAL SEARCH REPORT

Information on patent family members

GB2004/002625

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 2001026667	A1	04-10-2001	JP 3484165 B2 JP 2001318260 A	06-01-2004 16-11-2001
WO 0049435	A	24-08-2000	AT 247837 T AT 250772 T AU 767773 B2 AU 2564900 A AU 771646 B2 AU 2565000 A CA 2362992 A1 CA 2362997 A1 CN 1341219 T CN 1341221 T DE 60004638 D1 DE 60004638 T2 DE 60005486 D1 DE 60005486 T2 DK 1153324 T3 DK 1153325 T3 EP 1153324 A1 EP 1153325 A1 EP 1340725 A2 EP 1385028 A1 WO 0049435 A1 WO 0049436 A1 JP 2002537574 A JP 2002537575 A US 2004105641 A1 US 6631234 B1	15-09-2003 15-10-2003 27-11-2003 04-09-2000 01-04-2004 04-09-2000 24-08-2000 24-08-2000 20-03-2002 20-03-2002 25-09-2003 17-06-2004 30-10-2003 22-07-2004 24-11-2003 26-01-2004 14-11-2001 14-11-2001 03-09-2003 28-01-2004 24-08-2000 24-08-2000 05-11-2002 05-11-2002 03-06-2004 07-10-2003